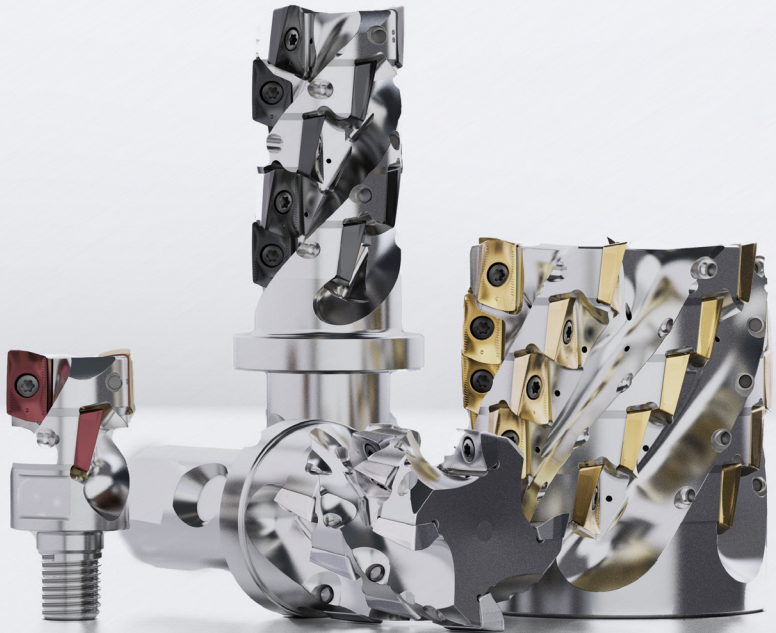
Seco

Reduce downtime and increase part quality

TURBO 16 – square shoulder and helical cutters



Your challenge

Unstable cutting processes affect your productivity and component quality.

Our solution

A cutting tool with low cutting forces and smooth cutting action for excellent tool life and a stable, secure process at high material removal rates.

Your challenge

Prevent quality-control and process-security problems that cause unplanned downtime and scrapped parts.

Our solution

Optimized tool geometry achieves smooth machining and predictable, reliable tool life in a wide range of materials and cutting parameters with Seco Helical Turbo 16 milling cutters.

Your challenge

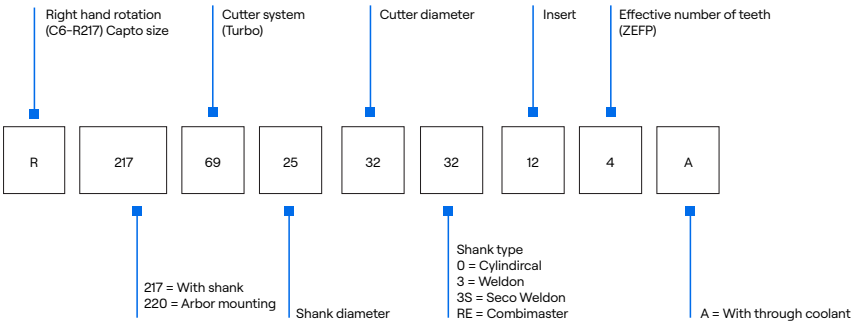
A large cutting tool inventory with too many single-use tools; poor tool life or unreliable machining operations

Our solution

A supremely flexible cutter optimized for a wide range of workpiece materials and square shoulder applications.

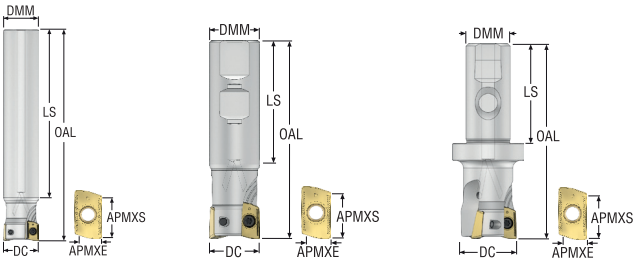
Scan the QR code and find out more information

TURBO 16 – square shoulder and slot milling cutters



Customer benefits

- Versatile tools optimized for a wide range of applications and materials.
- Exceptional flexibility with a wide choice of insert geometries and grades.
- Low cutting forces and reduced power consumption.
- Nickel-free cutter bodies reduce environmental impact.



Turbo 16 - R217.69-XO16 - Metric

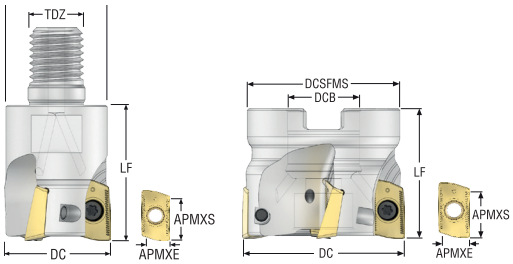
Designation	Item number	Type of mounting	DC	ZEFP	APMXS	APMXE	DMM	LUX	LPR	OAL	RMPX°	Cmin	Cmax	Insert
R217.69-2525.0--X016-2A	03336100	Cylindrical	25,0	2	15,0	9,0	25,0	35,0	114,0	170,0	11,0	33,5	47,7	XO.X16
R217.69-3232.0--X016-2A	03336101	Cylindrical	32,0	2	15,0	9,0	32,0	40,0	135,0	195,0	6,0	47,5	61,7	XO.X16
R217.69-3232.0--X016-3A	03336102	Cylindrical	32,0	3	15,0	9,0	32,0	40,0	135,0	195,0	6,0	47,5	61,7	XO.X16
R217 .69-2525.3-X016-2A	03336092	Weldon	25,0	2	15,0	9,0	25,0	38,0	44,0	100,0	11,0	33,5	47,7	XO.X16
R217.69-3232.3-X016-2A	03336093	Weldon	32,0	2	15,0	9,0	32,0	38,0	50,0	110,0	6,0	47,5	61,7	XO.X16
R217 .69-3232.3-X016-3A	03336094	Weldon	32,0	3	15,0	9,0	32,0	38,0	50,0	110,0	6,0	47,5	61,7	XO.X16
R217.69-2025.3S-X016-2A	03336095	Seco-Weldon	25,0	2	15,0	9,0	20,0	40,0	50,0	100,0	11,0	33,5	47,7	XO.X16
R217.69-2532.3S-X016-2A	03336096	Seco-Weldon	32,0	2	15,0	9,0	25,0	40,0	54,0	110,0	6,0	47,5	61,7	XO.X16
R217.69-2532.3S-X016-3A	03336097	Seco-Weldon	32,0	3	15,0	9,0	25,0	40,0	54,0	110,0	6,0	47,5	61,7	XO.X16
R217.69-3240.3S-X016-3A	03336098	Seco-Weldon	40,0	3	15,0	9,0	32,0	46,0	60,0	120,0	3,5	63,5	77,7	XO.X16
R217.69-3240.3S-X016-4A	03336099	Seco-Weldon	40,0	4	15,0	9,0	32,0	46,0	60,4	120,0	3,5	63,5	77,5	XO.X16

Turbo 16 - R217.69-XO16 - Inch

Designation	Item number	Type of mounting	DC	ZEFP	APMXS	APMXE	DMM	LUX	LPR	OAL	RMPX°	Cmin	Cmax	Insert
R217.69-01.00-0-XO16-2A	03336134	Cylindrical	1.000	2	0.591	0.354	1.000	1.378	4.488	6.693	9,0	1.350	1.909	XO.X16
R217.69-01.25-0-XO16-2A	03336135	Cylindrical	1.250	2	0.591	0.354	1.250	1.575	5.472	7.677	5,5	1.850	2.409	XO.X16
R217.69-01.50-0-XO16-3A	03336136	Cylindrical	1.500	3	0.591	0.354	1.250	5.906	5.906	8.268	4,0	2.350	2.909	XO.X16
R217.69-01 .50-0-XO16-4A	03336137	Cylindrical	1.500	4	0.591	0.354	1.250	5.906	5.906	8.268	4,0	2.350	2.909	XO.X16
R217.69-01.00-3-XO16-2A	03336130	Weldon	1.000	2	0.591	0.354	1.000	1.575	1.732	3.937	10,0	1.350	1.909	XO.X16
R217.69-01 .25-3-XO16-3A	03336131	Weldon	1.250	3	0.591	0.354	1.250	1.575	1.969	4.331.	6,0	1.850	2.409	XO.X16
R217.69-01 .50-3-XO16-3A	03336132	Weldon	1.500	3	0.591	0.354	1.250	2.362	2.362.	4.724	4,0	2.350	2.909	XO.X16
R217.69-01.50-3-XO16-4A	03336133	Weldon	1.500	4	0.591	0.354	1.250	2.362	2.362	4.724	4,0	2.350	2.909	XO.X16

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TURBO 16 – square shoulder and slot milling cutters

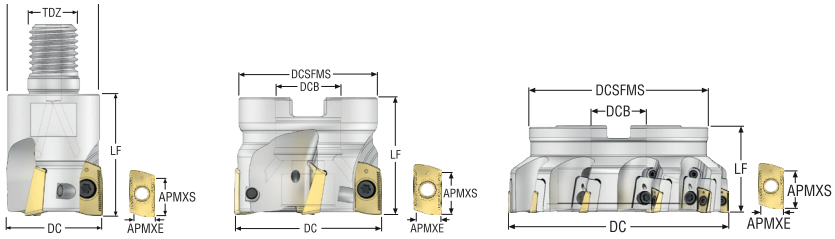


Turbo 16 - R217/220.69-XO16 - Metric

Designation	Item number	Type of mounting	DC	ZEFP	APMXS	APMXE	DCB	TDZ	DCSFMS	LF	RMPX°	Cmin	Cmax	Insert
R217.69-1225.RE-XO16-2A	03336103	Combimaster	25,0	2	15,0	9,0	-	M12	23,0	40,0	11,0	33,5	47,7	XO.X16
R217.69-1632.RE-XO16-2A	03336104	Combimaster	32,0	2	15,0	9,0	-	M16	30,0	40,0	6,0	47,5	61,7	XO.X16
R217.69-1632.RE-XO16-3A	03336105	Combimaster	32,0	3	15,0	9,0	-	M16	30,0	40,0	6,0	47,5	61,7	XO.X16
R217.69-2040.RE-XO16-3A	03336106	Combimaster	40,0	3	15,0	9,0	-	M20	36,5	45,0	3,5	63,5	77,7	XO.X16
R217.69-2040.RE-XO16-4A	03336107	Combimaster	40,0	4	15,0	9,0	-	M20	36,5	45,0	3,5	63,5	77,7	XO.X16
R220.69-0040-XO16-3A	03336108	Arbor	40,0	3	15,0	9,0	16,0	-	35,0	40,0	3,5	63,5	77,7	XO.X16
R220.69-0040-XO16-4A	03336109	Arbor	40,0	4	15,0	9,0	16,0	-	35,0	40,0	3,5	63,5	77,7	XO.X16
R220.69-0050-XO16-4A	03336110	Arbor	50,0	4	15,0	9,0	22,0	-	47,0	40,0	2,6	83,5	97,7	XO.X16
R220.69-0050-XO16-5A	03336111	Arbor	50,0	5	15,0	9,0	22,0	-	47,0	40,0	2,6	83,5	97,7	XO.X16
R220.69-0050-XO16-6A	10010246	Arbor	50,0	6	15,0	9,0	22,0	-	47,0	40,0	2,6	83,5	97,7	XO.X16
R220.69-0052-XO16-5A	03336112	Arbor	52,0	5	15,0	9,0	22,0	-	17,0	40,0	2,5	87,5	101,7	XO.X16
R220.69-0063-XO16-5A	03336113	Arbor	63,0	5	15,0	9,0	27,0	-	56,0	40,0	2,0	109,5	123,7	XO.X16
R220.69-0063-XO16-6A	03336115	Arbor	63,0	6	15,0	9,0	27,0	-	56,0	40,0	2,0	109,5	123,7	XO.X16
R220.69-0063-XO16-7 A	10010247	Arbor	63,0	7	15,0	9,0	27,0	-	56,0	40,0	2,0	109,5	129,7	XO.X16
R220.69-0066-XO16-6A	03336117	Arbor	66,0	6	15,0	9,0	27,0	-	56,0	40,0	1,8	115,5	157,7	XO.X16
R220.69-0080-XO16-6A	03336118	Arbor	80,0	6	15,0	9,0	27,0	-	62,0	50,0	1,5	143,5	157,7	XO.X16
R220.69-0080-XO16-8A	03336119	Arbor	80,0	8	15,0	9,0	27,0	-	62,0	50,0	1,5	143,5	157,7	XO.X16
R220.69-0080-XO16-9A	10010248	Arbor	80,0	9	15,0	9,0	27,0	-	62,0	50,0	1,5	143,5	165,7	XO.X16
R220.69-0084-XO16-8A	03336120	Arbor	84,0	8	15,0	9,0	27,0	-	62,0	50,0	1,3	151,5	197,7	XO.X16
R220.69-0100-XO16-8A	03336121	Arbor	100,0	8	15,0	9,0	32,0	-	77,0	50,0	1,1	183,5	197,7	XO.X16
R220.69-0100-XO16-10A	03336122	Arbor	100,0	10	15,0	9,0	32,0	-	77,0	50,0	1,1	183,5	197,7	XO.X16
R220.69-0125-XO16-1 0A	03336123	Arbor	125,0	10	15,0	9,0	40,0	-	90,0	63,0	0,85	233,5	247,7	XO.X16
R220.69-0125-XO16-12A	03336124	Arbor	125,0	12	15,0	9,0	40,0	-	90,0	63,0	0,85	233,5	247,7	XO.X16
R220.69-8160-XO16-11A	03336125	Arbor	160,0	11	15,0	9,0	40,0	-	90,0	63,0	0,85	303,5	317,7	XO.X16
R220.69-8160-XO16-13A	03336126	Arbor	160,0	13	15,0	9,0	40,0	-	90,0	63,0	0,85	303,5	317,7	XO.X16

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TURBO 16 – square shoulder and slot milling cutters



Turbo 16 - R217/220.69-XO16 - inch

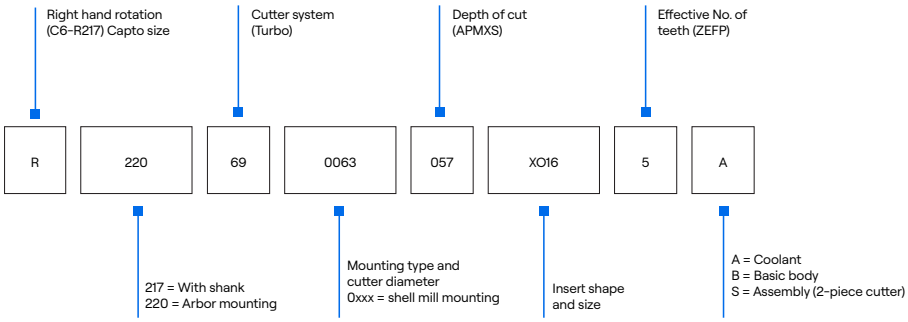
Designation	Item number	Type of mounting	DC	ZEFP	APMXS	APMXE	DCB	TDZ	DCSFMS	LF	RMPX°	Cmin	Cmax	Insert
R217.69-01.00-12RE-XO16-2A	03336138	Combimaster	1.000	2	0.591	0.354	-	M12	0.906	1.575	11.0	1.350	1.909	XO.X16
R217.69-01.25-16RE-XO16-3A	03336139	Combimaster	1.250	3	0.591	0.354	-	M16	1.181	1.575	6.0	1.850	2.409	XO.X16
R217.69-01.50-20RE-XO16-4A	03336140	Combimaster	1.500	4	0.591	0.354	-	M20	1.437	1.772	4.0	2.350	2.909	XO.X16
R220.69-01.50-XO16-4A	03336141	Arbor	1.500	4	0.591	0.354	0.500	-	1.378	1.575	4.0	2.350	2.909	XO.X16
R220.69-02.00-XO 16-4A	03336142	Arbor	2.000	4	0.591	0.354	0.750	-	1.850	1.575	2.5	3.350	3.909	XO.X16
R220.69-02.00-XO 16-5A	03336143	Arbor	2.000	5	0.591	0.354	0.750	-	1.850	1.575	2.5	3.350	3.909	XO.X16
R220.69-02.00-XO 16-6A	03336144	Arbor	2.000	6	0.591	0.354	0.750	-	1.850	1.575	2.5	3.350	3.909	XO.X16
R220.69-02.50-XO 16-5A	03336145	Arbor	2.500	5	0.591	0.354	0.750	-	1.850	1.575	2.0	4.350	4.909	XO.X16
R220.69-02.50-XO 16-6A	03336146	Arbor	2.500	6	0.591	0.354	0.750	-	1.850	1.575	2.0	4.370	4.882	XO.X16
R220.69-03.00-XO 16-6A	03336147	Arbor	3.000	6	0.591	0.354	1.000	-	2.441	1.969	1.5	5.354	5.906	XO.X16
R220.69-03.00-XO 16-8A	03336148	Arbor	3.000	8	0.591	0.354	1.000	-	2.441	1.969	1.5	5.354	5.906	XO.X16
R220.69-04.00-XO 16-8A	03336149	Arbor	4.000	8	0.591	0.354	1.500	-	3.543	1.969	1.1	7.362	7.874	XO.X16
R220.69-04.00-XO16-1 0A	03336150	Arbor	4.000	10	0.591	0.354	1.500	-	3.543	1.969	1.1	7.362	7.874	XO.X16
R220.69-05.00-XO 16-9A	03336151	Arbor	5.000	9	0.591	0.354	1.500	-	3.543	2.480	0.85	9.370	9.882	XO.X16
R220.69-06.00-XO16-12A	10000967	Arbor	6.000	12	0.591	0.354	2.000	-	4.331	2.480	0.7	11.378	11.890	XO.X16

Turbo 16 - R220.69-XO16 - Metric

Designation	Item number	Type of mounting	DC	ZEFP	APMXS	APMXE	DCB	DCSFMS	LF	RMPX°	Cmin	Cmax	Insert
R220.69-0125-XO16-8CA	03336127	Arbor	125,0	8	15,0	9,0	40,0	90,0	93,0	0,85	233,5	247,7	XO.X16
R220.69-8160-XO16-1 0CA	10000966	Arbor	160,0	10	15,0	9,0	40,0	90,0	63,0	0,65	303,5	317,7	XO.X16
R220.69-8200-XO16-12CA	03336128	Arbor	200,0	12	15,0	9,0	60,0	130,0	63,0	0,5	383,5	397,7	XO.X16
R220.69-8250-XO16-16CA	03336129	Arbor	250,0	16	15,0	9,0	60,0	130,0	63,0	0,4	483,5	497,7	XO.X16

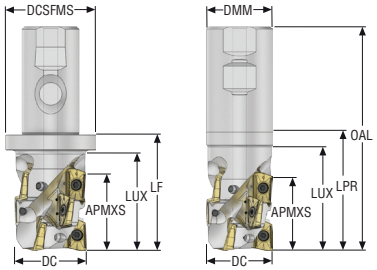
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TURBO 16 – helical milling cutters



Customer benefits

- High process security
- Reliable, predictable performance even with changing workpiece dimension such as forgings or castings
- Achieve high-performance machining results in steels, stainless steels, cast iron and titanium with one cutter series



Turbo 16 - R217.69-16 - Metric

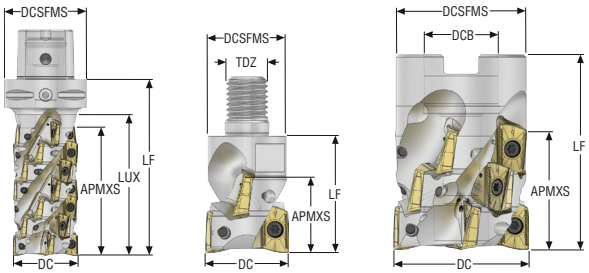
Designation	Item number	Type of mounting	DC	ZEFP	ZNP	APMXS	DMM	DCSFMS	LUX	LPR	OAL	RPMX	Insert
R217.69-3240.3S-043-XO16.3A	10067004	Seco-Weldon	40,0	3	9	43,0	32,0	50,0	54,9	65,0	125,0	13200	XO.X16
R217.69-3240.3S-071-XO16.3A	10067005	Seco-Weldon	40,0	3	15	71,0	32,0	50,0	85,4	95,0	155,0	13200	XO.X16
R217.69-3250.3S-057-XO16.3A	10067006	Seco-Weldon	50,0	3	12	57,0	32,0	50,0	70,8	80,0	140,0	11800	XO.X16
R217.69-3250.3S-057-XO16.4A	10067007	Seco-Weldon	50,0	4	16	57,0	32,0	50,0	70,8	80,0	140,0	11800	XO.X16
R217.69-3250.3S-085-XO16.4A	10067008	Seco-Weldon	50,0	4	24	85,0	32,0	50,0	95,8	105,0	165,0	11800	XO.X16

Turbo 16 - R217.69-16 - Inch

Designation	Item number	Type of mounting	DC	ZEFP	ZNP	APMXS	DMM	LUX	LPR	OAL	RPMX	Insert
R217.69-01.50-3-1.69-XO16-3A	10067015	Weldon	1.500	3	9	1.693	1.500	2.417	2.441	5.169	13200	XO.X16
R217.69-02.00-3-1.69-XO16-3A	10067016	Weldon	2.000	3	9	1.693	2.000	2.512	2.535	5.823	13200	XO.X16
R217.69-02.00-3-2.24-XO16-4A	10067017	Weldon	2.000	4	16	2.244	2.000	3.130	3.035	6.323	11800	XO.X16

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TURBO 16
helical milling cutters



Turbo 16 - R217/220.69-16 - Metric

Designation	Item number	Type of mounting	DC	ZEFP	ZNP	APMXS	DCB	DCSFMS	LF	LUX	RPMX	Insert
C6-R217.69-050-098-XO16.4A	10067022	Seco-Capto	50,0	4	28	98,0	-	63,0	135,0	110,4	11800	XO.X16
R217.69-1632.RE-029-XO16.2A	10067002	Combimaster	32,0	2	4	29,0	-	30,0	45,0	-	14800	XO.X16
R217.69-2040.RE-029-XO16.3A	10067003	Combimaster	40,0	3	6	29,0	-	36,5	55,0	-	13200	XO.X16
R220.69-0050-043-XO16.4A	10067009	Arbor	50,0	4	12	43,0	27,0	46,0	72,0	-	11800	XO.X16
R220.69-0063-043-XO16.4A	10067010	Arbor	63,0	4	12	43,0	27,0	58,0	70,0	-	10500	XO.X16
R220.69-0063-057-XO16.5A	10067011	Arbor	63,0	5	20	57,0	27,0	58,0	80,0	-	10500	XO.X16
R220.69-0063-085-XO16.5SA	10067024	Arbor	63,0	5	30	85,0	27,0	58,0	108,9	-	10500	XO.X16
R220.69-0080-071-XO16.5A	10067012	Arbor	80,0	5	25	71,0	32,0	75,0	95,0	-	9300	XO.X16
R220.69-0080-071-XO16.6A	10067013	Arbor	80,0	6	30	71,0	32,0	75,0	95,0	-	9300	XO.X16
R220.69-0100-071-XO16.6A	10067014	Arbor	100,0	6	30	71,0	40,0	88,0	95,0	-	8300	XO.X16

Turbo 16 - R220.69-16 - Inch

Designation	Item number	Type of mounting	DC	ZEFP	ZNP	APMXS	DCB	DCSFMS	LF	LUX	RPMX	Insert
C6-R217.69-02.00-3.89-X016-4A	10067023	Seco-Capto	2.000	4	28	3.858	-	2.480	5.350	4.382	11800	XO.X16
R220.69-02.00-1.69-X016-4A	10067018	Arbor	2.000	4	12	1.693	1.000	1.850	2.750	-	11800	XO.X16
R220.69-02.50-1.69-X016-4A	10067019	Arbor	2.500	4	12	1.693	1.000	2.283	2.750	-	10500	XO.X16
R220.69-02.50-2.24-X016-5A	10067020	Arbor	2.500	5	20	2.244	1.000	2.283	3.250	-	10500	XO.X16
R220.69-02.50-3.34-X016-5SA	10155391	Arbor	2.500	5	30	3.346	1.000	2.283	4.280	-	10500	XO.X16
R220.69-03.00-2. 79-X016-5A	10067021	Arbor	3.000	5	25	2.795	1.250	2.795	3.750	-	9300	XO.X16

Please note, that the shown data are just an extract. More products available. Please check availability in current price and stock list. For more information please take a look into the Seco Machining Navigator or visit My Pages on secotools.com.